Juniata Shops, Power Plant and Boiler House East of Fourth Avenue at Second Street Altoona Blair County Pennsylvania HAER No. PA-232-I

HAER PA, 7-ALTO, 4-I-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

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HISTORIC AMERICAN ENGINEERING RECORD

HAER PA, T-ALTO, 4-I-

JUNIATA SHOPS, POWER PLANT AND BOILER HOUSE

HAER No. PA-232-I

Location:

East of Fourth Avenue at Second Street, Altoona, Blair County,

Pennsylvania

USGS Quad: Altoona, Pennsylvania (1:24000)

UTM: 17 E.721500 N.4489960

Date of Construction:

1890

Builder:

Pennsylvania Railroad

Present Owner:

Conrail

Present Use:

Manufacturing Railroad Rolling Stock

Significance:

The Power Plant and Boiler House was one of the four original buildings

constructed at Juniata in 1888-90.

Project Information:

This project was undertaken by HAER in conjunction with America's Industrial Heritage Project as part of an architectural survey covering a nine-county region in Southwestern Pennsylvania, Randall Cooley, Director. See HAER No. PA-108, Pennsylvania Railroad, Altoona Works, Altoona, Blair County, Pennsylvania for further project

information and documentation.

Compiler:

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History:

A 70' x 43' boiler house was one of the four original buildings constructed at Juniata in 1888-90. A 1900 photograph (#5,095 in the Altoona Public Library) shows the one-story building, with a gable-roof, segmental-arched windows in the longitudinal facades, and corrugated metal siding at the gable ends. The building housed six boilers, and a 130-foot iron chimney rose directly behind it. This building, more than doubled in length to 150' x 45', in 1925 was known as Boiler House No. 1.

A second building, also built in 1888-90, and known originally as the "Electric and Hydraulic Building," which measured 60' x 45' in plan, was located about 130' to the west. Steam from Boiler House No. I supplied the generators within the Electric and Hydraulic Building. Its interior was lit by large, paired, double-hung, sash windows and a high, glazed, round-arched entrance centered in the east wall (Photo #5,097, ca. 1900). By 1925 this building, then identified as the Power Plant, had also been expanded to 150' x 45' in plan.

Boiler House No. 2 (52' x 47'), was erected in 1925 at the end closest to the craneway to take care of the needs of the new erecting and machine shop. Mechanical equipment consisted of two 516 horsepower boilers, mechanical stokers, and feed water heaters, a facility designed to provide the 300-pound steam pressure used for testing locomotives, as well as for general heating and power purposes. Equipment also included a reciprocating steam air compressor, which is still in place and occasionally operated.

In 1955 the buildings were joined by modern glazed brick and a new stack. At the same time, turbine generator sets were installed in the power plant.

Sources:

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